



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: BROWN ET AL. )  
Serial No.: 10/020,838 ) Attorneys' Ref. P214009  
Filing Date: 12/10/2001 ) Art Unit: 2142  
Title: SYSTEMS AND METHODS FOR )  
GENERATING AND )  
COMMUNICATING MOTION DATA )  
THROUGH A DISTRIBUTED )  
NETWORK )

**REQUEST TO CORRECT PREVIOUSLY FILED INFORMATION DISCLOSURE  
STATEMENTS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

This letter is to indicate errors made by the Applicant on previously submitted Information Disclosure Statements, and to request corrections.

Enclosed herewith are copies of pages 1, 2, 5, and 11 of the original Information Disclosure Statement filed on 02/14/2002. Errors are circled in red, indicating incorrect patent numbers, as indicated below:

On page 1 under the "Remarks" section, paragraph 2, please delete "5,997,951" and insert "5,977,951".

On page 2, paragraph 4, please delete "5,626,994" and insert "5,636,994".

On page 2, paragraph 5, please delete "5,665,945" and insert "5,655,945".

On page 5, paragraph 1, please delete "5,607,3356" and insert "5,607,336".

On page 11, paragraph 1, please delete "4,7676,334" and insert "4,767,334".

Also enclosed herewith is a copy of the Supplemental Information Disclosure Statement filed on 03/31/2005. An error is circled in red, as indicated below:

On page 3, under the "Remarks" section, paragraph 5, please delete "Chapter 2" and insert "Chapter 22".

It is believed that no fee is due at this time to maintain the application in full force and effect, however if any such fee is due please charge this to Deposit Account No. 502099.

Signed at Bellingham, County of Whatcom, State of Washington, this 25<sup>th</sup> day of May, 2006.

Respectfully submitted,

BROWN ET AL.

By Michael R. Schacht  
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CERTIFICATE OF MAILING  
37 C.F.R. §1.8

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Signature: Robin Fry

Print Name: Robin Fry

Date: 5/25/2006



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David W. Brown ) Attorney's Ref.: P214009  
Serial No.: 10/020,838 )  
Filed: 12/10/01 ) Art Unit: 2153  
Title: SYSTEMS AND METHODS FOR )  
GENERATING AND )  
COMMUNICATING MOTION DATA )  
THROUGH A DISTRIBUTED )  
NETWORK )

Assistant Commissioner for Patents  
U.S. Patent & Trademark Office  
Washington, D.C. 20231

Certificate of Mailing (37 CFR 1.8a)

I hereby certify that this document (along with any document referred to as being attached or enclosed) is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on date shown below.

FEB. 14, 2002  
Date Robin Fry  
Robin Fry

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 CFR §1.56, Applicant respectfully submits this Information Disclosure Statement to call to the attention of the Examiner the references listed on the attached Form PTO/SB/08A for consideration in the prosecution of the above-referenced application for U.S. patent. To reduce the amount of paperwork submitted in this case, the Applicant is not enclosing copies of the U.S. patents cited in this Information Disclosure Statement. If the Examiner is unable to obtain them, the Applicant can provide them at the Examiner's request. Copies of all foreign patents and non-patent literature documents are, however, attached hereto for the Examiner's convenience.

It is believed that no fee is due at this time to maintain the application in full force and effect, however if any such fee is due please charge this to Deposit acct. no. 08-3260.

**REMARKS**

The references disclosed herein are discussed below.

U.S. Patent No. <sup>5,977,951</sup> 5,997,951 (Danieli et al.), issued Nov. 2, 1999, entitled SYSTEM AND METHOD FOR SUBSTITUTING AN ANIMATE CHARACTER WHEN A REMOTE CONTROL PHYSICAL CHARACTER IS UNAVAILABLE. This patent discloses a

system that detects when a remote control character is available and if the character is unavailable, generates an animated character on a display device as a substitute for the remote control character.

U.S. Patent No. 5,746,602 (Kikinis), issued May 5, 1998, entitled PC PERIPHERAL INTERACTIVE DOLL. This patent discloses an interactive system comprising a computer and a personalized object such as a doll. The doll comprises a speaker and a microphone. The voice data entered through the microphone is transferred to the computer and used as the basis for speech data that is transferred back to the personalized object and played over the speaker.

U.S. Patent No. 5,752,880 (Gabai et al.), issued May 19, 1998, entitled INTERACTIVE DOLL. This patent discloses an interactive doll system in which communication is established between a computer and a mechanized doll using a wireless transmission system. A first transmission associated with an operation is transmitted from the computer to the toy. A second transmission containing feedback pertaining to the performance of the operation is transmitted from the toy back to the computer. A subsequent transmission by the computer to the toy is generated depending at least partly on the second transmission received by the computer.

U.S. Patent No. 5,733,131 (Park), issued March 31, 1998, entitled EDUCATION AND ENTERTAINMENT DEVICE WITH DYNAMIC CONFIGURATION AND OPERATION. This patent discloses an entertainment device that uses pager technology to communicate messages to a doll having the appearance of a character on a television show. The doll responds to external stimuli in a manner appropriate to the character's storyline on the television show.

U.S. Patent No. 5,626,994 (Tong), issued June 10, 1997, entitled INTERACTIVE COMPUTER CONTROLLED DOLL. This patent discloses an interactive system comprising a computer and an animated doll. The doll is capable of reproducing audio sounds and moving. Audio signals are transferred from the computer to the doll, and the doll moves in response to the audio signals that are reproduced by the doll. The doll may be provided with a microphone as a speech input device. The speech input from the microphone is used to program the computer.

U.S. Patent No. 5,655,945 (Jani), issued August 12, 1997, entitled VIDEO AND RADIO CONTROLLED MOVING AND TALKING DEVICE (PCT WO 94/08677). This patent discloses the use of unused spaced on a standard video tape to store digital control data. Digital control data is converted into an RF signal that is transmitted

the doll and the like. More than one doll may be provided such that the dolls interact in a simulated conversation. The dolls communicate using an RF signal.

U.S. Patent No. 5,607,335 (Lebensfeld et al.), issued March 4, 1997, entitled SUBJECT SPECIFIC, WORD/PHRASE SELECTABLE MESSAGE DELIVERING DOLL OR ACTION FIGURE. This patent discloses a doll that receives one of a plurality of message containing components. The doll may be dressed in different outfits of wearing apparel and an appropriate message containing components inserted into the doll based on the selected outfit. The doll contains audio generating means for generating audible messages based on the message containing component inserted therein.

U.S. Patent No. 5,596,994 (Bro), issued January 28, 1997, entitled AUTOMATED AND INTERACTIVE BEHAVIORAL AND MEDICAL GUIDANCE SYSTEM. This patent discloses a system that transfers motivational messages and/or questions to a client to change or reinforce a specific behavioral problem. A database of client unique motivational messages and/or questions is stored. The database is stored on a computer that sends the messages and/or questions to the clients at pre-selected time periods.

U.S. Patent No. 5,377,258 (Bro), issued December 27, 1994, entitled METHOD AND APPARATUS FOR AN AUTOMATED AND INTERACTIVE BEHAVIORAL GUIDANCE SYSTEM. This patent discloses a system that transfers motivational messages and/or questions to a client to change or reinforce a specific behavioral problem. A database of client unique motivational messages and/or questions is stored. The database is stored on a computer that sends the messages and/or questions to the clients at pre-selected time periods.

U.S. Patent No. 4,897,835 (Gaskill et al.), issued January 30, 1990, entitled HIGH CAPACITY PROTOCOL WITH MULTISTATION CAPABILITY. This patent discloses a system for distributing paging messages. The system comprises local clearing houses that store resident subscriber data. Messages are routed to clearing houses which allow the data to be broadcast in the local area if the receiver of that message is located within that area.

U.S. Patent No. 4,713,808 (Gaskill et al.), issued December 15, 1987, entitled WATCH PAGER SYSTEM AND COMMUNICATION PROTOCOL. This patent discloses a system for distributing paging messages. The system comprises local clearing houses that store resident subscriber data. Messages are routed to clearing houses which allow

U.S. Patent No. 4,767,334 (Thorne et al.), issued August 30, 1988, entitled EDUCATIONAL AND RECREATIONAL TOY VEHICLE. This patent discloses a toy craft representing a commander's cabin. Simulated control devices are connected to attitudinal instruments through an analogue computer such that the attitudinal instruments are changed by the controls.

U.S. Patent No. 4,855,725 (Fernandez), issued August 8, 1989, entitled MICROPROCESSOR BASED SIMULATED BOOK. This patent discloses an electronic book device. Infrared transceivers are used to connect the electronic book device to a personal computer that allows the contents of a CD ROM to be downloaded to the book device.

U.S. Patent No. 4,887,966 (Gellerman), issued December 19, 1989, entitled FLIGHT SIMULATION CONTROL APPARATUS. This patent discloses a flight simulation control apparatus adapted to be connected to a personal computer. The system connects a control yoke commonly used in an aircraft to flight simulation software running on the computer.

U.S. Patent No. 5,120,065 (Driscoll et al.), issued June 9, 1992, entitled ELECTRONIC TALKING BOARD GAME. This patent discloses a board game incorporating an electronic computer system. The computer system is configured to play audio sounds representing speech information of the players. The computer system also reads cards used as part of the game play.

U.S. Patent No. 5,402,518 (Lowry), issued March 28, 1995, entitled SOUND STORAGE AND SOUND RETRIEVAL SYSTEM HAVING PERIPHERAL WITH HAND OPERABLE SWITCHES. This patent discloses a hand held device that is used to record and play back sound into a computer. The hand held device compresses the sound data before it is sent to the computer.

U.S. Patent No. 5,450,079 (Dunaway), issued September 12, 1995, entitled MULTIMODAL REMOTE CONTROL DEVICE HAVING ELECTRICALLY ALTERABLE KEYPAD DESIGNATIONS. This patent discloses a remote control device for selecting functions of a multimedia processing unit. Icons are associated with the keypad.

U.S. Patent No. 5,670,992 (Yasuhara et al.), issued September 23, 1997, entitled PORTABLE GRAPHIC COMPUTER APPARATUS. This patent discloses a tablet that allows the user to input and store video image data. This system generates musical scale or sound volume based on coordinates of the tablet.



Applicant: DAVID W. BROWN et al. )  
Serial No.: 10/020,838 ) Attorneys' Ref. P214009  
Filing Date: 12/10/2001 ) Art Unit: 2142  
Title: SYSTEMS AND METHODS FOR )  
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THROUGH A DISTRIBUTED )  
NETWORK )

### **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §1.56, the Applicant respectfully submits this Supplemental Information Disclosure Statement to call to the attention of the Examiner the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B for consideration in the prosecution of the above-referenced application for U.S. patent. Copies of the foreign and non-patent references are attached hereto for the Examiner's convenience.

Citation of a reference in this Information Disclosure Statement is not an admission that the reference is prior art to the present invention.

A check in the amount of \$180 is enclosed for the submission fee. It is believed that no other fee is due at this time to maintain the application in full force and effect, however if any such fee is due please charge this to Deposit Account No. 502099.

### **REMARKS**

U.S. Patent No. 4,815,011 to Mizuno et al. discloses a robot control apparatus having a user interface that limits user access to predefined words to limit syntax errors while programming in a machine language.

U.S. Patent No. 4,688,195 to Thompson et al. discloses a natural language based system for facilitating the design of computer interfaces. The user is provided with a menu of words that can legally follow commands in the context of a particular database system.

U.S. Patent No. 4,782,444 to Munshi et al. discloses a method of allocating and optimizing registered assignments during the compiling of source into executable code. Local register allocation and assignments are generated by performing a "two-colored pebble game" heuristic.

U.S. Patent No. 4,912,650 to Tanaka et al. discloses a system for controlling operation of a robot offline. In situations where input of a prescribed signal is being awaited, a key is pressed to simulate the generation of this prescribed signal at an appropriate port.

U.S. Patent No. 5,020,021 to Kaji et al. discloses a system for translating between languages such as Japanese and English.

U.S. Patent No. 5,175,684 to Chong discloses a system for translating between natural languages such as Japanese and English.

U.S. Patent No. 5,175,856 to Van Dyke et al. discloses a compilation system for compiling source code into executable object code. An integrated, intermediary representation supports machine independent and machine dependent optimizations of the resulting object code.

U.S. Patent No. 5,541,838 to Koyama et al. discloses a machine for translating between natural languages such as Japanese and English.

U.S. Patent No. 6,070,010 to Keenleyside et al. discloses a system for aligning data in stack memory in a data processing system. The stack memory provides temporary storage for storing parameters for a function call.

U.S. Patent No. 6,090,156 to MacLeod discloses a register allocator for allocating machine registers during compilation of a computer program.

U.S. Patent No. 4,199,814 to Rapp et al. discloses a system for allowing the building or changing of a program stored on a machine tool.

U.S. Patent No. 5,005,135 to Morser et al. discloses a system for correcting path radius errors in a motion control system.



U.S. Patent No. 5,511,147 to Abdel-Malek discloses a graphical interface for robot control programs.

Japanese Patent No. JP 08161335 A to Fukumochi appears to disclose a natural language translation system.

Japanese Patent No. JP 2000020114 A to OBA et al. appears to disclose a method of controlling a motion system in which machine control language is converted to sequence control language and loaded onto a motion controller.

European Patent No. EP 821522 A2 to Sato et al. discloses a camera control apparatus that allows the camera to be controlled over the internet. This system handles characters in a character string of file name of a control request as camera control characters. The character string includes description corresponding to the format for camera control.

Microsoft Corporation's Windows 3.1. SDK Guide to Programming, Chapter 3.2, "Dynamic Data Exchange" discloses Microsoft's Dynamic Data Exchange (DDE) method of transferring data between applications. The DDE protocol simplifies data exchange between applications.

Microsoft Corporation's Win32 SDK: Prog. Ref. Vol. 2, Chapter 77, "Dynamic Data Exchange Management Library" describes an application programming interface, commonly referred to as DDEML, that may be implemented by an application to allow interprocess communications using Microsoft's Dynamic Data Exchange Protocol.

Microsoft Corporation's Windows for Workgroups 3.1 Resource Kit, Chapter 11, "Network Dynamic Data Exchange" describes the implementation of Microsoft's DDE protocol over a network.

## CONCLUSION

The Applicant respectfully submits that these references, taken alone or in combination, neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to the pending application is respectfully requested. If there is any matter which could be expedited by consultation with the Applicant's attorney, such would be welcome. The Applicant's attorney can normally be reached at the telephone number below.

Signed at Bellingham, County of Whatcom, State of Washington, this 31<sup>st</sup> day of March, 2005.

Respectfully submitted,

David W. Brown et al.

By Michael R. Schacht  
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CERTIFICATE OF MAILING  
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Signature: Robin Fry


Print Name: Robin Fry

Date: March 31, 2005

Application Number	10/020,838
Filing Date	12/10/2001
First Named Inventor	David W. Brown
Group Art Unit	2142
Examiner Name	Jack Harvey
Attorney Docket Number	P214009

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Complete if Known

Application Number	10/020,838	
Filing Date	12/10/2001	
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Group Art Unit	2142	
Examiner Name	Jack Harvey	
Attorney Docket Number	P214009	

Sheet	1	of	1
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[illegible]Date  
Considered

<sup>1</sup> Unique citation designation number <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.